REMARKS

Applicant thanks the Examiner for the indication that claims 1-4 and 9-28 are allowed. Applicant has amended claim 1 to provide antecedent basis to the term "vapor output port," and applicant has amended claim 19 to correct a typographical error.

Claims 1-4 and 7-33 are pending with claims 1, 7, and 12 being independent. Claims 5 and 6 were previously cancelled and claims 1, 7, 8, and 19 are currently amended. Claims 29-36 are newly presented. No new matter has been added.

Independent claim 7 has been amended to recite an evaporator system for use in a heat transport system. The evaporator system includes an evaporator, a first port, and a second port. The evaporator includes a primary wick, a vapor channel, a liquid channel, a secondary wick, a secondary liquid channel, and a two phase channel. The primary wick defines a core. The vapor channel is configured to receive vapor exiting the primary wick. The liquid channel is within the core and is configured to receive liquid. The secondary wick is within the core and provides a flow path within the core. The secondary liquid channel is within the secondary wick and the two phase channel is between the secondary wick and the primary wick. The first port is coupled to the secondary liquid channel of the evaporator and the second port is coupled to the two phase channel of the evaporator.

Claims 7 and 8 have been rejected as being anticipated by U.S. Patent No. 5,944,092 (Van Oost). Applicant requests withdrawal of this rejection because Van Oost fails to describe or suggest, among other features, the claimed combination of a secondary liquid channel within a secondary wick; a two phase channel between a secondary wick and a primary wick; a first port coupled to the secondary liquid channel; and a second port coupled to the two phase channel.

In Van Oost, the evaporator 2 includes a capillary 5 defining a core that houses a conduit 3. See Van Oost at col. 4, lines 10-12 and Fig. 1. The conduit 3 houses a channel 4 and a capillary wick 18 adjacent the capillary 5. See Van Oost at col. 4, lines 6-9; col. 5, lines 10-20; and Figs. 1 and 3a-3c.

Van Oost's evaporator 2 is void of a two phase channel between the capillary wick 18 and the capillary 5. In Van Oost, the capillary wick 18 abuts the capillary 5, evidencing that Van

Oost fails to describe or suggest a channel between the wick 18 and the capillary 5. See Van Oost at Figs. 1 and 3a-3c. As such, Van Oost fails to anticipate a two phase channel between a secondary wick and a primary wick, recited by claim 7.

Furthermore, Van Oost's conduit 3 does not contain a secondary liquid channel within a secondary wick. Rather, the conduit 3 includes a second part 4 that acts as a vapor channel, transporting "vapour and non-condensed gas from the evaporator towards the reservoir." See Van Oost at col. 6, lines 27-31. By contrast, claim 7 recites a secondary liquid channel within a secondary wick, which is not anticipated by Van Oost.

Moreover, because Van Oost lacks a secondary liquid channel and a two phase channel, Van Oost also lacks a first port coupled to a secondary liquid channel and a second port coupled to a two phase channel, which is also recited by claim 7.

For at least these reasons, amended claim 7 is allowable over Van Oost.

Claim 8 depends from claim 7 and is allowable for at least the reasons that claim 7 is allowable.

New claims 29-33 depend from claim 7 and are allowable for at least the reasons that claim 7 is allowable.

New claims 34-36 correspond, respectively, to claims 1, 7, and 12 and are allowable for at least the reasons that claims 1, 7, and 12 are allowable.

Enclosed is a $201.00 check for excess claim fees. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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